

wherein the local oscillator outputs an oscillation signal having a frequency band of at least 847 to 505 MHz, and a dividing rate of the second programmable divider is $1/3$, and wherein a dividing rate of the third programmable divider is $1/5$.

25. (Amended) The TV receiving tuner according to claim 4, further comprising:

a third programmable divider to receive the oscillation signal of the local oscillator and divide the oscillation signal; and

a fourth mixer to mix the received TV signal and the output of the third programmable divider and frequency convert the received TV signal into an intermediate-frequency signal having a third frequency,

wherein the local oscillator outputs an oscillation signal having a frequency band of at least 803 to 473 MHz, wherein a dividing rate of the second programmable divider is $1/3$, and a dividing rate of the third programmable divider is $1/9$.

26. (Amended) The TV receiving tuner according to claim 4, further comprising:

a third programmable divider to receive the oscillation signal of the local oscillator and divide the oscillation signal; and

a fourth mixer to mix the received TV signal and the output of the third programmable divider and frequency convert the received TV signal into an intermediate-frequency signal having a third frequency,

wherein the local oscillator outputs an oscillation signal having a frequency band of at least 824 to 530 MHz, wherein a dividing rate of the second programmable divider is $1/3$, and a dividing rate of the third programmable divider is $1/4$.

27. (Amended) The TV receiving tuner according to claim 4, further comprising:

a third programmable divider to receive the oscillation signal of the local oscillator and divide the oscillation signal; and

a fourth mixer to mix the received TV signal and the output of the third programmable divider and frequency convert the received TV signal into an intermediate-frequency signal having a third frequency,

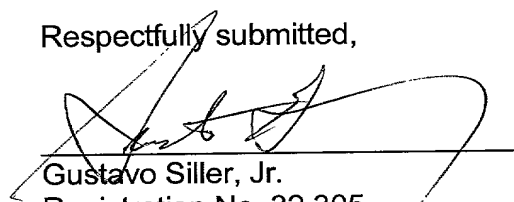
wherein the local oscillator outputs an oscillation signal having a frequency band of at least 767 to 473 MHz, wherein a dividing rate of the second programmable divider is 1/3, and a dividing rate of the third programmable divider is 1/6.

REMARKS

Applicants have rewritten Claims 1-4, 6-16, and 18-27 for grammatical purposes only. No new matter has been added as a result of this amendment. The changes from the previous version to the rewritten version are shown in attached Appendix A.

In addition, Applicants have enclosed a corrected version of Fig. 3 with corrections marked in red. Applicants request the Examiner approve the corrections and will submit formal drawings upon receiving a Notice of Allowance.

Respectfully submitted,



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APPENDIX A
Attorney Docket No. 9281-4199
TV Signal Receiving Tuner Capable of Outputting Oscillation Signal
Having Wide Frequency Band by Means of Single Local Oscillator
Takeo Suzuki et al.

In the Claims

Please amend Claims 1-4, 6-16, and 18-27 as follows:

1. (Amended) A TV signal receiving tuner for receiving TV signals by dividing ~~them~~ the TV signals into a plurality of frequency bands, comprising:

- a local oscillator which oscillates at a frequency range corresponding to a received TV signal having a predetermined frequency band;
- a first programmable divider which receives a local oscillation signal of the local oscillator and divides the local oscillation signal; and
- a first mixer which mixes the received TV signal and ~~the~~ an output of the first programmable divider and frequency converts the received TV signal into an intermediate-frequency signal having a predetermined frequency, wherein

a dividing rate of the first programmable divider is variable and set to 1 to receive ~~the~~ a TV signal having a predetermined first frequency band and to at most 1/2 or less to receive a TV signal having a second frequency band, the second frequency band being lower than the predetermined first frequency band.

2. (Amended) A TV signal receiving tuner for receiving TV signals by dividing them into a plurality of frequency bands, comprising:

- a local oscillator which oscillates at a frequency range corresponding to a received TV signal having a predetermined frequency band;
- a second programmable divider which receives a local oscillation signal of the local oscillator and divides the local oscillation signal;
- a second mixer which mixes the received TV signal and the local oscillation signal and frequency converts the received TV signal into an intermediate-frequency signal having a predetermined first frequency; and